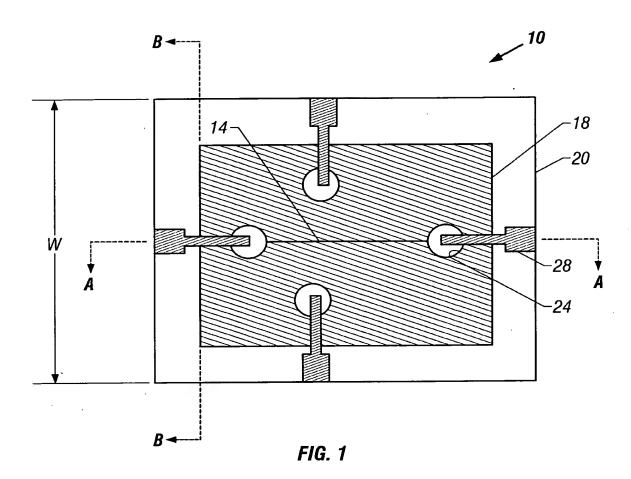
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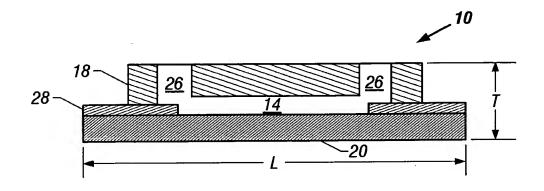


FIG. 2

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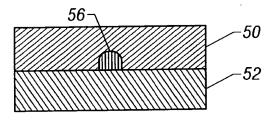


FIG. 3A

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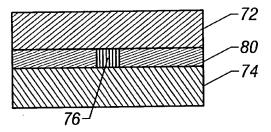
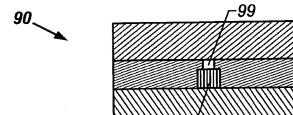


FIG. 3B



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FIG. 3C

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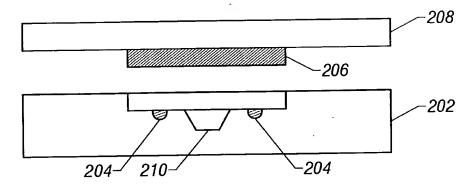


FIG. 4A

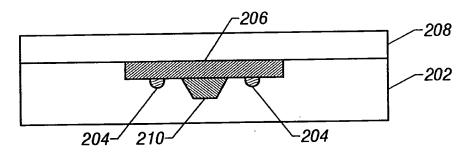
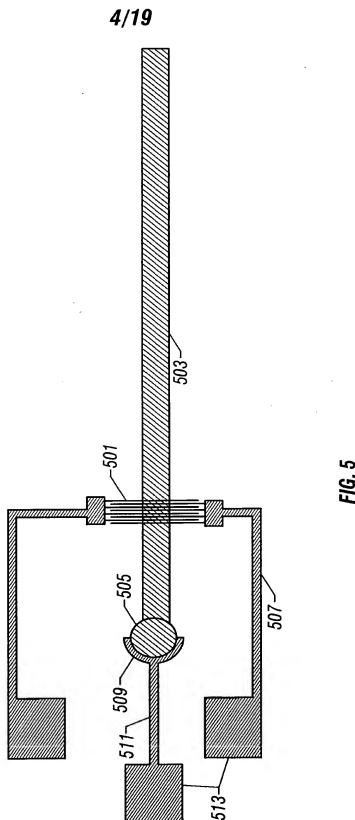


FIG. 4B

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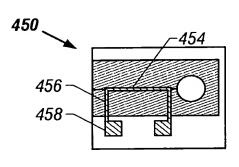


FIG. 6A

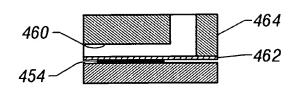


FIG. 6B

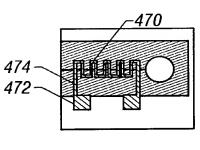


FIG. 6C

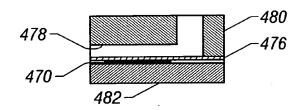


FIG. 6D

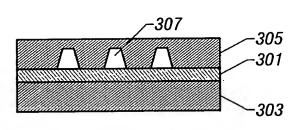


FIG. 7A

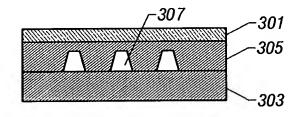


FIG. 7B

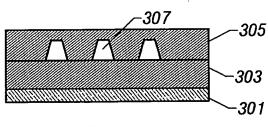


FIG. 7C

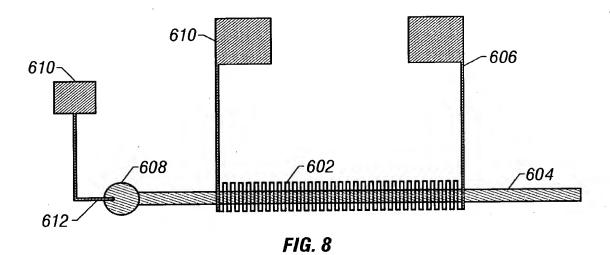
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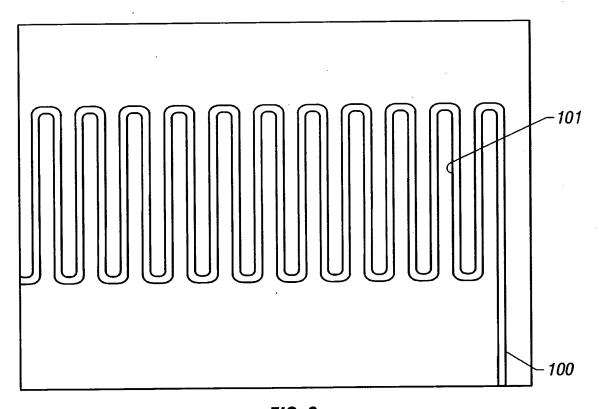


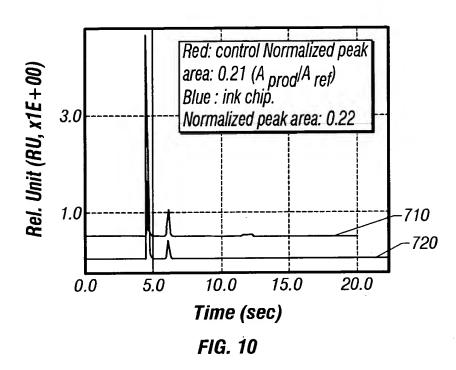
FIG. 9

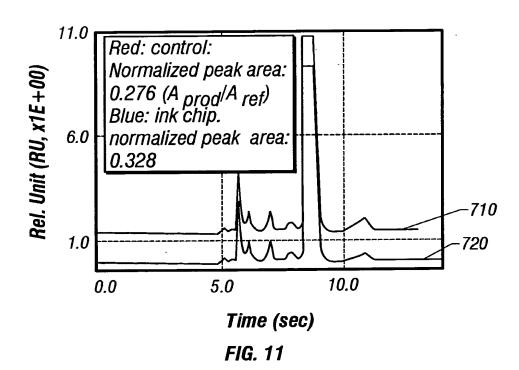
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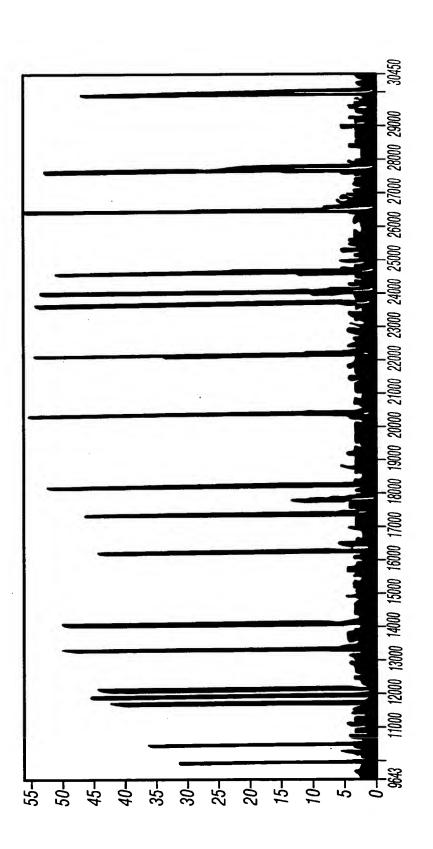




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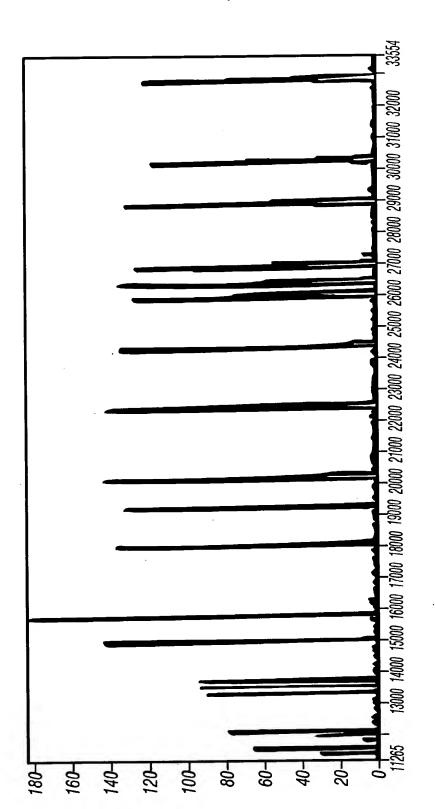


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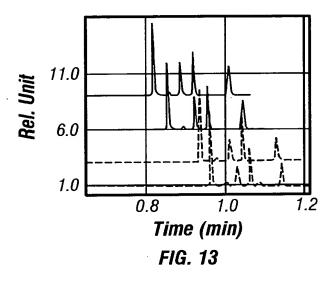
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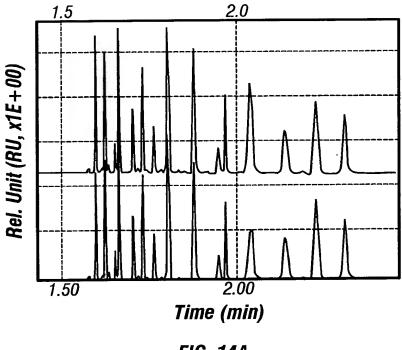


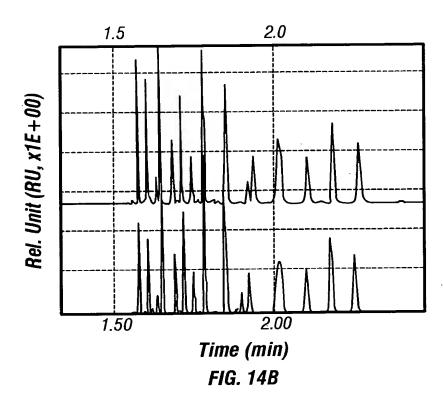
FIG. 14A

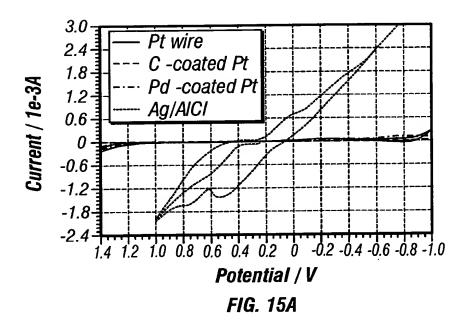
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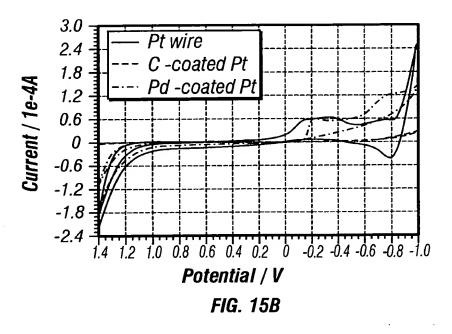


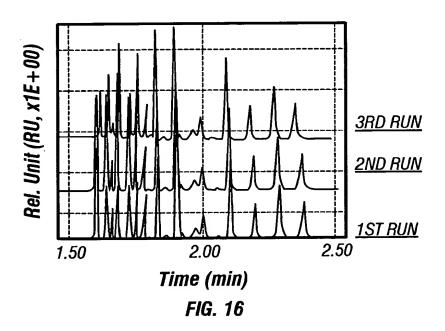


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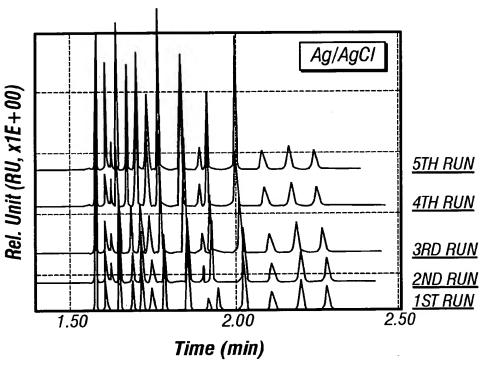


FIG. 17

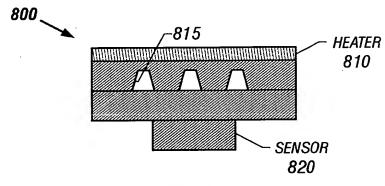


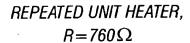
FIG. 18

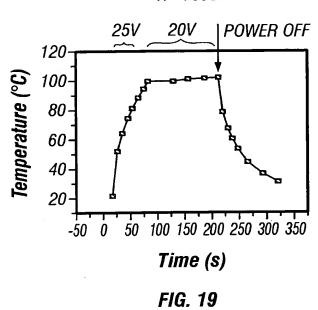
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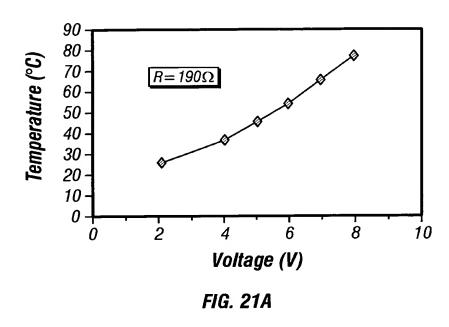


 $R=205\Omega$ POWER OFF 20V 15V 120 Temperature (°C) 100 80 60 40 20 100 150 200 250 50 0 Time (s) FIG. 20

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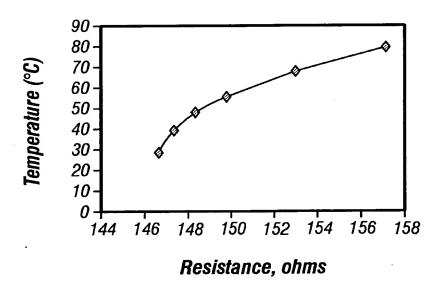


FIG. 21B

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100



400

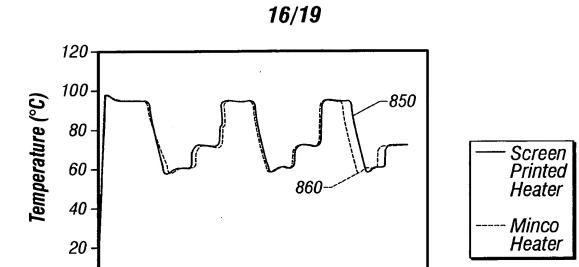


FIG. 21C

200

Time (s)

300

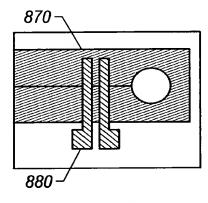
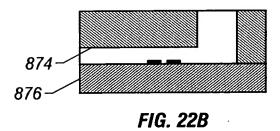


FIG. 22A



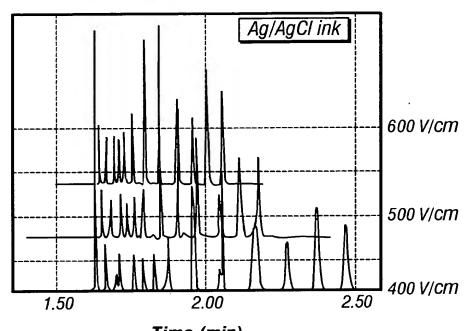
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Time (min) FIG. 23

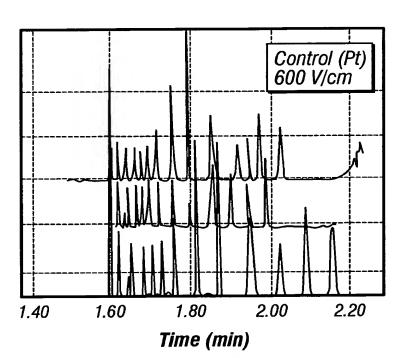


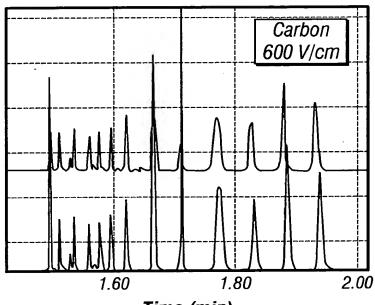
FIG. 24A

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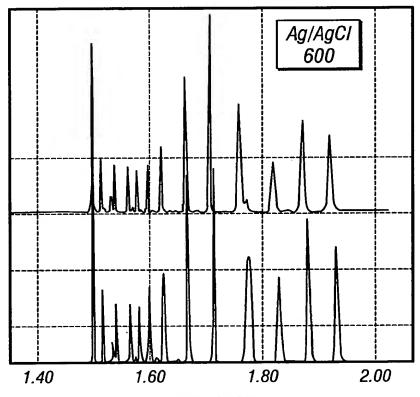


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Time (min) FIG. 24B



Time (min)

FIG. 24C

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Resolution	CN	Ink		0.70	1.18	1.30	1.44	0.30	13.70	90.0	9.03	6.73	6.52	0.27	2.93
		Pŧ		1.01 0.81 25.92	1.08 19.80	1.04 27.73	1.65 1.58 7.49 0.22 0.26 0.22 3.28 1.57 0.17 0.16 23.50 4.94 1.05 0.89 13.48	1.67 1.60 7.73 0.22 0.30 0.27 4.16 2.37 0.20 0.18 25.84 2.82 1.32 0.86 44.60	1.70 1.62 7.98 0.22 0.48 0.41 0.29 5.20 0.23 0.20 27.30 2.42 1.51 0.81 70.08 13.70	1.75 1.67 8.41 0.21 1.01 0.88 4.52 0.54 0.25 0.22 26.68 1.91 2.04 1.14 63.05 0.06	8.85   0.37   0.63   0.59   5.03   6.99   0.10   0.08   34.24   6.73   2.17   1.07   33.52	1.54 1.42 2.98 1.25 0.76 0.53 30.56 29.77 1.99 1.03 30.19	1.00 47.68	1.98 1.87 10.64 0.41 1.20 1.18 0.33 0.23 0.47 0.42 37.31 10.72 1.72 1.04 45.94 0.27	29.69
		Pt Ink		0.81		1.04	0.89	0.86	0.81	1.14	1.07	1.03		1.04	0.92
	Average	Pt		1.01	1.36	1.38	1.05	1.32	1.51	2.04	2.17	1.99	1.59	1.72	1.57
Half Peak Width		Ink	4.60	2.79	0.98	2.40	4.94	2.82	2.42	1.91	6.73	29.77	21.75	10.72	6.85
	/)	Pt Ink	33.81	25.18	27.95	30.71	23.50	25.84	27.30	26.68	34.24	30.56	39.83	37.31	35.82
	age	Ink	0.12	0.13	0.15	0.18	0.16	0.18	0.20	0.22	0.08	0.53	0.46	0.42	0.42
	Average	Pt Ink Pt Ink	4.74 0.15 0.12 33.81 4.60	1.61 2.45 0.15 0.13 25.18 2.79	1.61 1.54 7.08 0.18 0.34 0.27 4.80 3.40 0.17 0.15 27.95 0.98 1.36	1.63 1.56 7.40 0.23 0.30 0.25 3.57 2.77 0.21 0.18 30.71 2.40 1.38	0.17	0.20	0.23	0.25	0.10	92.0	1.92 1.82 10.07 0.50 0.75 0.71 0.64 1.02 0.49 0.46 39.83 21.75 1.59	0.47	0.49
Normalized Peak Height		Ink	4.74	2.45	3.40	2.77	1.57	2.37	5.20	0.54	6.99	1.25	1.02	0.23	0
	2	Pt	2.81	1.61	4.80	3.57	3.28	4.16	0.29	4.52	5.03	2.98	0.64	0.33	0.00
	Average	11K	1.50 6.61 0.19 0.69 0.56 2.81	1.51 6.80 0.19 0.27 0.22	0.27	0.25	0.22	0.27	0.41	0.88	0.59	1.42	0.71	1.18	1.00
	Aver	Pt Ink	0.69	0.27	0.34	0.30	0.26	0.30	0.48	1.01	0.63	1.54	0.75	1.20	1.00
Migration Time (min)		Pt Ink	0.19	0.19	0.18	0.23	0.22	0.22	0.22	0.21	0.37	0.72	0.50	0.41	0.44
	$\mathcal{E}$	Pt	6.61	6.80	7.08	7.40	7.49	7.73	7.98	8.41	8.85	1.77 9.45 0.72	10.07	10.64	11.08
	Average	Ink		1.51	1.54	1.56	1.58	1.60	1.62	1.67	1.71		1.82	1.87	1.92
	Aver	Pt	1.56	1.58	1.61	1.63	1.65	1.67	1.70	1.75	1.80	1.86	1.92	1.98	2.04 1.92 11.08 0.44 1.00 1.00 0.00 0 0 49 0.42 35.82 6.85 1.57 0.92 29.69 2.93
eTag Probes (-FC)		163	158	33	56	25	174	1	187	188	189	190	191	192	